

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 08/448,727A
Source: IFW16
Date Processed by STIC: 07-18-2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 07/18/2005

PATENT APPLICATION: US/08/448,727A

TIME: 14:13:09

Input Set : A:\54113.8009.US00.txt

Output Set: N:\CRF4\07182005\H448727A.raw

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3 <110> APPLICANT: Amgen Inc.
4      Burnette, Walter N.
6 <120> TITLE OF INVENTION: MODIFIED PERTUSSIS TOXIN
8 <130> FILE REFERENCE: 54113.8009.US00
10 <140> CURRENT APPLICATION NUMBER: 08/448,727A
11 <141> CURRENT FILING DATE: 1995-05-24
13 <150> PRIOR APPLICATION NUMBER: US 08/034,460
14 <151> PRIOR FILING DATE: 1993-03-18
16 <150> PRIOR APPLICATION NUMBER: US 07/232,482
17 <151> PRIOR FILING DATE: 1988-08-17
19 <150> PRIOR APPLICATION NUMBER: US 07/094,307
20 <151> PRIOR FILING DATE: 1987-09-04
22 <160> NUMBER OF SEQ ID NOS: 27
24 <170> SOFTWARE: PatentIn version 3.3
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27 <211> LENGTH: 12
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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38 <210> SEQ ID NO: 2
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41 <213> ORGANISM: Artificial
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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51 <211> LENGTH: 10
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial
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56 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
58 <400> SEQUENCE: 3
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63 <211> LENGTH: 12
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial
67 <220> FEATURE:

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68 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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71 taaactaaga tc 12
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 46
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
82 <400> SEQUENCE: 5
83 ctagaaggaa ggaataacat atggttaacg cggttggaatt cggtac 46
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 38
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
94 <400> SEQUENCE: 6
95 ttccttcctt attgtatacc aattgcgcaa ccttaage 38
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99 <211> LENGTH: 12
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
106 <400> SEQUENCE: 7
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110 <210> SEQ ID NO: 8
111 <211> LENGTH: 14
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial
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118 <400> SEQUENCE: 8
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135 <211> LENGTH: 24
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137 <213> ORGANISM: Artificial
139 <220> FEATURE:
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155 attccgctat gactcccgcc cg                                22
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173 <213> ORGANISM: Artificial
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179 atacaagtat gactcccgcc cg                                22
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231 <211> LENGTH: 24	
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233 <213> ORGANISM: Artificial	
235 <220> FEATURE:	
236 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide	
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255 <211> LENGTH: 24	
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268 <212> TYPE: DNA	
269 <213> ORGANISM: Artificial	
271 <220> FEATURE:	
272 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide	
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278 <210> SEQ ID NO: 22	
279 <211> LENGTH: 24	
280 <212> TYPE: DNA	
281 <213> ORGANISM: Artificial	
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284 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide	
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287 accttatact gagggcgggc ggcc	24

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292 <212> TYPE: DNA
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298 <400> SEQUENCE: 23
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303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:
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314 <210> SEQ ID NO: 25
315 <211> LENGTH: 22
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319 <220> FEATURE:
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334 <400> SEQUENCE: 26
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340 <212> TYPE: PRT
341 <213> ORGANISM: Bordetella pertussis
343 <400> SEQUENCE: 27
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346 1          5          10          15
349 Asp Val Phe Gln Asn Gly Phe Thr Ala Trp Gly Asn Asn Asp Asn Val
350          20          25          30
353 Leu Asp His Leu Thr Gly Arg Ser Cys Gln Val Gly Ser Ser Asn Ser
354          35          40          45
357 Ala Phe Val Ser Thr Ser Ser Arg Arg Tyr Thr Glu Val Tyr Leu
358          50          55          60
361 Glu His Arg Met Gln Glu Ala Val Glu Ala Glu Arg Ala Gly Arg Gly
362 65          70          75          80
365 Thr Gly His Phe Ile Gly Tyr Ile Tyr Glu Val Arg Ala Asp Asn Asn
366          85          90          95

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26

VERIFICATION SUMMARY

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